



06/23/03

17613 U.S. PTO
10/601297



SAFETY BAG WITH FIRM STRUCTURE

FIELD OF THE INVENTION

The present invention relates to bags, and particularly to a safety bag with a firm structure. The bag is formed by a hard casing and a soft enclosure. A band is used to buckle a cover to the opening of the bag firmly so that object in the bag will not fall out.

BACKGROUND OF THE INVENTION

Currently, for receiving notebooks, or communication devices or other portable electronic devices, bags are made of hard materials so as to protect the objects receiving therein.

In these kinds of bags, the upper sides of the bags have an opening and a cover is installed for covering the opening. The operation is performed by one or two bands are protruded from the front surface of the bag and then are buckled to the buckles at the front surface. However, this prior art fixing way only fixes the front surface, but two sides of the bag are not fixed, and also they are opened at two sides so that objects in the bag possibly fall out from the opened sides.

20

SUMMARY OF THE INVENTION

Accordingly, the primary object of the present invention is to provide a safety bag with a firm structure which is formed by connecting a hard casing to a soft enclosure. The connectors for connecting a cover extending from the soft enclosure and the hard casing are installed with a

plurality of buckles. The cover is installed with a first insertion portion at a front surface of the bag and a second insertion portion at two sides of the bag. A band passes through the first insertion portion and second insertion portion. The band out of the first insertion portion and second insertion portion is tightened by the retaining ring. Two ends of the band are buckled to selective two buckled of the plurality of buckles. The band is capable of being buckled to the buckles of different levels so that the tightness of the cover securing to the hard casing is adjustable according to the objects in the bag.

10 The various objects and advantages of the present invention will be more readily understood from the following detailed description when read in conjunction with the appended drawing.

BRIEF DESCRIPTION OF THE DRAWINGS

15 Fig. 1 is a perspective view of the bag of the present invention.

Fig. 2 is a perspective view of the present invention where the cover of the bag is closed.

Fig. 3 is a lateral view of the present invention

Fig. 4 is an exploded perspective view of the present invention.

20 Fig. 5 is a front view of the present invention, where the cover of the bag is closed.

DETAILED DESCRIPTION OF THE INVENTION

In order that those skilled in the art can further understand the present 25 invention, a description will be described in the following in details.

However, these descriptions and the appended drawings are only used to cause those skilled in the art to understand the objects, features, and characteristics of the present invention, but not to be used to confine the scope and spirit of the present invention defined in the appended claims.

5 With reference to Figs. 1 and 3, the bag of the present invention is illustrated. The bag is formed by connecting a hard casing 10 and a soft enclosure 20. The soft enclosure 20 has belts 23. A soft enclosure 20 is extended with a cover 21 for covering the hard casing 10 and a handle 24. Referring to Fig. 4, a surface of the hard casing 10 is formed with a 10 decoration 41 so that the bag has a beautiful appearance and increasing receiving space. The connections of the hard casing 10 and soft enclosure 20 are formed at two sides of the bag. The connections are enclosed by connectors 31, 31' which are locked by buckles 42.

15 The connectors 31, 31' are disposed at the outer and inner sides of bags. The connector 31 is at an outer layer of the bag and connector 31' is at an inner side of the bag. The connector 31 is made of leather materials and the connector 31' is made of metals. The cover 21 is installed with a first insertion portion 211 at a front surface of the bag and a second insertion portion 212 at two sides of the bag. A band 22 passes 20 through the first insertion portion 211 and second insertion portion 212. A retaining ring 221 is installed at a position that the band 22 is out of the first insertion portion 211. Thereby, the band 22 out of the first insertion portion 211 and second insertion portion 212 will be tightened by the retaining ring 221. Two ends of the band 22 are buckled to a first and 25 second buckles 41, 42, as shown in Figs. 3 and 5. Thereby, the cover 21

is firmly secured to the hard casing 10 so as to prevent objects in the bag from falling down.

Moreover, in use, a plurality of buckles are installed to the connector 31 so that the band 22 can be buckled to the buckles 42 of different levels 5 and thus the tightness of the cover 21 securing to the hard casing 10 is adjustable according to the objects in the bag. Besides, as shown in Fig. 1, in the present invention, the inner side of the soft enclosure 20 can be installed with a hidden bag 50 for receiving valuable objects.

The present invention is thus described, it will be obvious that the 10 same may be varied in many ways. Such variations are not to be regarded as a departure from the spirit and scope of the present invention, and all such modifications as would be obvious to one skilled in the art are intended to be included within the scope of the following claims.